BRUHAT BENGALURU MAHANAGARA PALIKE

TENDER DOCUMENT – KW4

(WORKS COSTING MORE THAN Rs. 100 LAKHS)

Name of Work: - Comprehensive Development of Roads and Drains at Maruthinagara, Kamakshamma layout, Kondappa layout and A sector in ward no 01, 02 & 04 of Yelahanka division (Package No. 01)

Estimate Cost: 1000.00 Lakhs

CONTRACTOR

SRI SAI CONSTRUCTIONS SSC

EXECUTIVE ENGINEER
YELAHANKA DIV

BRUHAT BENGALURU MAHANAGARA PALIKE

No: BBMP/EE/YNK.D/E-PMT/04/ 2020-21

Office of the Executive Engineer
Yelahanka division, Bangalore – 560064.
Dated : **11-8-2020**

INVITATION FOR TENDER (IFT)
(Short term- Tender Notification)
(Two Cover System)
(Through **GOK e–Procurement Portal** only)

1. The Executive Engineer Yelahanka Division invites tenders on behalf of the commissioner, BBMP, Bengaluru from eligible Tenderers for the construction of works detailed in the table below. The tenderers may submit tenders for works given in the table through e-procurement portal of the Government of Karnataka (viz https://eproc.karnataka.gov.in).The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract **as per standard tender document KW-4.**
2. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document (Minimum of Rs1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee issued by Nationalized / Scheduled Bank and shall have to be valid for 180 days beyond the validity of the tender)
3. Tenders must be submitted online through e-procurement portal on or before 16.00 hours on **01-09-2020** and the opening of tenders will be as per the e-procurement portal guidelines.
4. GST Shall be Paid to the tendered amount separately
5. Other details can be seen in the tender documents.

Sl. No.	Name of the Work	Est. Cost	EMD (Rs. in Lakhs)	Cost of Tender form in Rs. (Non-Refundable)	Period of Completion
1	Comprehensive Development of roads and drains at Maruthinagara, Kamakahamma layout, kondappa layout and A Sector in ward no 01,02,&04 of yelahanka Division (PACKAGE NO -01)	1000.00	15.00	As per e-Procurement Portal	06 Months (including monsoon)
2	Comprehensive Development of roads and drains at Sai Nagara Phase-I & II yelahanka 208,407, 707SFS, Attur village and chitra layout in Attur ward no-03. in yelahanka Division (PACKAGE NO -02)	1000.00	15.00	As per e-Procurement Portal	06 Months (including monsoon)

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3	Comprehensive Development of roads and drains at Deo marvel layout,Ams layout,swagath layout,akashavani layout,chowdappa layout,and GkVk layout in ward no 3&4 of yelahanka Division (PACKAGE NO -03	1000.00	15.00	As per e-Procurement Portal	06 Months (including monsoon)
4	Comprehensive Development of roads and drains at Maruthinagara 3rd main road,Mathru layout,someshwara nagara ,sharda nagara and B sector In ward no-01,02,& 04.of yelahanka Division (PACKAGE NO -04	1000.00	15.00	As per e-Procurement Portal	06 Months (including monsoon)
5	Comprehensive Development of roads and drains at Adhithya nagara Chikkabettahalli , Joythinagara Munishamappa layout and judicial layout in ward No:03 & 04 of Yelahanka division (PACKAGE NO -05)	750.00	11.25	As per e-Procurement Portal	06 Months (including monsoon)
6	Comprehensive Development of Manavarthithota and surrounding areas in chowdeshwari ward no:02	200.00	3.00	As per e-Procurement Portal	06 Months (including monsoon)
7	Comprehensive Development of BHEL layout Ayyappa layout, Anugrha layout and Hillside Modals in Attur Ward No:03	200.00	3.00	As per e-Procurement Portal	06 Months (including monsoon)
8	Improvements to roads and drains at Attur village and Chithra layout surrounding areas in ward no:03	100.00	2.00	As per e-Procurement Portal	90 days
9	Improvements to roads and drains at Basavalingappa badavane and Raju Gandhinagara and Chikkabettahalli in ward no:03 of Yelahanka Satellite town sub division	400.00	6.00	As per e-Procurement Portal	06 Months (including monsoon)
10	Improvements to roads and drains at 18th Main, 19th main 20th main road and Surrounding areas of Judicial layout in ward no:04 Yelahanka Upanagara	100.00	2.00	As per e-Procurement Portal	90 days
11	Improvements to roads and drains at 22nd and 23rd Main road and Surrounding areas of Judicial layout in ward no:04 Yelahanka Upanagara	100.00	2.00	As per e-Procurement Portal	90 days
12	Improvements to roads and drains at Ambhabavani nagara and Surrounding areas in ward no-03 Attur	99.00	1.98	As per e-Procurement Portal	90 days
13	Improvements to roads and drains at BHEL Layout and Surrounding areas in ward no-03 Attur	99.00	1.98	As per e-Procurement Portal	90 days

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14	Construction of RCC drain and culverts at balance roads Brundavana layout and Santhoshnagara (Law College) and surrounding areas in ward no:03 Attur of Yelahanka satellite town sub division.	100.00	2.00	As per e-Procurement Portal	90 days

NOTE:

1. Pre bid meeting will be held on **21-08-2020** at 15.00 hours in the office of the Chief Engineer (Yelahanka zone) to clarify the issue and to answer questions on any matter that may be raised at that stage as stated in "Instructions to Bidders" of the bidding document.
2. Technical Bids will be opened on the website https://eproc.karnataka.gov.in in the office of the Executive Engineer -Yelahanka Division on **02-09-2020** at **16.00** hours.
3. Aspiring Bidders/Contractors who have not registered in e-procurement should register before participating through the website https://eproc.karnataka.gov.in
4. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with bid.
5. All the required information required for Bids must be filled and submit online.
6. For details, registration and e-payment visit GOK e-Procurement website https://eproc.karnataka.gov.in or contact e-Procurement Helpdesk at 080 – 22371090, 22340060, 22340948
7. This tender notice can also be seen on the BBMP website www.bbmp.gov.in

Sd/-
Executive Engineer
Yelahanka Division
Bruhat Bengaluru Mahanagara Palike

Copy Submitted to:-

1. Personnel Secretary to Worshipful Mayor to bring to the kind notice of the Worshipful Mayor.
2. Personnel assistant to Deputy mayor to bring to the notice of Deputy Mayor
3. The Commissioner, BBMP for kind information.
4. Special Commissioner (Projects)/Additional Commissioner(Projects) for kind information
5. Engineer – in – Chief, BBMP for kind information.
6. Council Secretary to bring to notice of the Standing Committee (Major Works).
7. The Chief Engineer / yelahanka zone / (Road Infrastructure)/Environment/Markets/ South zone/ West zone/ East zone/Rajarajeshwari Nagar zone / Bommanahalli zone/ Dasarahalli zone/ Yelahanka zone/ Mahadevapura zone/ (SWD) for kind information.
8. The Superintending Engineer, yelahanka zone / (Road Infrastructure)/ South/East/West/ Rajarajeshwari Nagar/ Bommanahalli / Dasarahalli/ Mahadevapura Zone for kind information.
9. Directorate General of Commercial Intelligence and Statistics, 565, Anandapur, Ward No.-108, Plot No.-22, Sector-1, Kolkata-700107, India, for kind information with a request to publish the same in the Indian Trade Journal.
10. The Joint Secretary(UDD) and the State Tender Bulletin Officer for kind information with a request to publish the same in the State Tender Bulletin
11. CAO / Chief Auditor for kind information.
12. IT Advisor with a Request to publish the same in the BBMP Website.
13. All Executive Engineers with a Request to publish the same in the Display /Notice Boards.
14. AEE (Yelahanka) / Accounts Superintendent / Cashier for information for necessary action.

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15. Public Re
Newspap
16. Notice be

15. Public Relation Officer, BBMP for information and to publish in two leading National Newspapers in Kannada and English.
16. Notice board Office Copy.

Executive Engineer
Yelahanka Division
Bruhat Bangalore Mahanagara Palike

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SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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A. General

1. Scope of Tender

1.1 **The Executive Engineer, Yelahanka Division, BBMP** (Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for the construction of works (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

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3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B)

Where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated to* **2019-2020** *price level)* taking into account the completed as well as works in progress.
N = Number of years prescribed for completion of the works for which tenders are invited.
B = Value, at **2019-2020** price level, of existing commitments and on-going works to be completed during the next **06 months**

Note: ***The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.***

3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

4. One Tender per Tenderer:

4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified.

5. Cost of Tendering:

5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6. Site visit:

6.1 The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

B. Tender documents

7. Content of Tender documents

7.1 The set of tender documents shall have all the Sections given in Page 2:
7.2 Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification

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12. Tender validity

12.1 Tenders shall remain valid for a period not less than **one hundred eighty (180) days** after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

13. Earnest money deposit

13.1 The Tenderer shall furnish, as part of his tender, earnest money deposit (EMD) at the following rates

a) upto Rs.20 Lakhs - 2.5%
b) Rs.20 Lakhs and above upto Rs. 1 crore – 2% subject to a minimum of Rs. 50,000/-
c) Rs.1 crore and above up to Rs.10 crores – 1.5% subject to a minimum of Rs. 2,00,000/-
d) Rs.10 crores and above – 1% subject to a minimum of Rs.15,00,000/-.
e) Fixed Deposit Receipt (FDR) subject to the following condition
- Maturity date of FDRs issued by the Bank should be beyond the date expected date of finalization of the tender.

Earnest money deposit will have to be in any one of the forms as specified in the Tender document and as per circular PWD:15:ITC:2008/2009 Dated:02-12-2010 (Minimum of Rs.1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee/FDR issued by Nationalized/Scheduled Bank and shall have to be valid for 90 days beyond the validity of the tender.

As per Circular: PWD:15:ITC:2008/2009 Dated:02-12-2010 the Tenderer shall submit the ORIGINAL BG/FDR for Part EMD on or before the Opening of Technical Bid, if failed to submit, the bid will be rejected and the initial amount deposited through e-procurement will be forfeited and further their names will be proposed for Black Listing if resorted repeatedly.

13.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 45 days beyond the validity of the tender.

13.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

13.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 12.1.

13.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

13.6 The earnest money deposit may be forfeited:
(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;
(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or
(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to
(i) Sign the Agreement; or
(ii) Furnish the required Security deposit

14. Format and signing of Tender

14.1 The Tenderer shall prepare one original and a copy of the documents comprising the Tender as described in Clause 10 of these *Instructions to Tenderers*, and clearly marked **"ORIGINAL"** and **"COPY"** as appropriate. In the event of discrepancy between them, the original shall prevail.

14.2 The original and a copy of the Tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Tenderer. All pages of the tender where entries or amendments have been made shall be initialed by the person signing the tender

14.3 The Tender shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialed by the person signing the Tender.

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18.3 No Tender may be modified after the deadline for submission of Tenders.

18.4 Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

18.5 Tenderers may only offer discounts to, or otherwise modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.

E. Tender opening and evaluation

19. Opening of First Cover of all Tenders and evaluation to determine qualified Tenderers:

19.1 The Employer will open the First Covers of all the Tenders received (except those received late or withdrawn), including modifications for First Cover made pursuant to Clause 18, in the presence of the Tenderers or their representatives who choose to attend on **28-01-2020at 16.00 hours** on the date and the place specified in Clause 16. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

19.2 Envelopes marked "**WITHDRAWAL**" shall be opened and read out first. The First Cover of Tenders for which an acceptable notice of withdrawal has been submitted pursuant to Clause 18 shall not be opened.

19.3 The Tenderers names, the presence or absence of earnest money deposit (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening. Late and withdrawn Tenders will be returned unopened to tenders.

19.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 19.3.

19.5 The Second Cover of all the Tenderers including modifications for Second Cover shall be placed in a large cover and securely sealed in the presence of the tenderers or their representatives, who are present and also get the same signed by all those tenderers or their representatives. The large cover shall be kept in safe custody by the Employer.[4]

19.6 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.[5]

20.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open the Second Covers of Qualified Tenderers at the appointed time and date in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

20.2 Envelopes marked **"MODIFICATION FOR SECOND COVER"** shall be opened and the submissions therein read out in appropriate detail.

20.3 The Tenderers' names, the Tender prices, the total amount of each Tender, any discounts, Tender modifications and withdrawals, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. No Tender shall be rejected at Tender opening.

20.4 The Employer shall prepare minutes of the Second Cover Tender opening, including the information disclosed to those present in accordance with Sub-Clause 20.3.

21. Process to be confidential

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[4] **Refer GOK circular No. PWD 1359 SO/FC 2001 (P-2) dated 30th June 2003.**

[5] The evaluation of the technical aspects contained in the first cover should be completed within a reasonable period and the time gap between the opening of the first and second cover should be the minimum and in any case not more than 45 days {In exceptional cases, approval of the Secretary to the Government of the concerned Department/Managing Director of the Corporation shall be obtained where the period is more than 45 days but less than 60 days. If it exceeds 60 days the tenders shall be re-invited.

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(b) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 18.5.

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.4 The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

25.5 If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract.

F. Award of Contract

26. Award criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

27. Employer's right to accept any Tender and to reject any or all Tenders

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

28. Notification of award and signing of Agreement

28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29. Security deposit

29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works. :

- Banker's cheque/Demand draft,/Pay Order in favour of Commissioner BBMP payable at Bangalore or
- **A Bank Guarantee in the form given in Section 10; or**
- **Special Small savings Instruments pledged to Commissioner, BBMP / Executive Engineer – Yelahanka Division, BBMP**

29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank

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SECTION 5: CONDITIONS OF CONTRACT

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3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting (Deleted)

7.1 Deleted.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or

(b) a cause due solely to the design of the Works, other than the Contractor's design; or

(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen; or

(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;

(A) prevent loss or damage to physical property from occurring by taking appropriate measures or

(B) insure against such loss or damage

12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance:

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34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BBMP has to be obtained for the variation exceeding 5%.

35. Payments for Variations

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.

35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

36. Submission of bills for payment

36.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

36.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

37. Payments

37.1 Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed programme payment is subject to availability of the grants.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

38. Compensation events

38.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.

(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.

(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.

(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.

(e) The effect on the Contractor of any of the Employer's Risks.

(f) The Employer unreasonably delays issuing a Certificate of Completion.

(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

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under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

Arbitration (Clause 24)

4. The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)

(b) Arbitration proceedings shall be held at..... Karnataka state (to be filled in by the Employer before issue of the Tender Documents),

(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor should produce invoice for procurement of Bitumen, Steel, HDPE ducts, Geo-textile material along with bills. No payments will be made without such invoices.

7. Mix Designs for Concrete and Asphalt work should be got approved by Chief Engineer before commencement of Work.

8. 63/51 mm Double Walled Corrugated HDPE Duct should have the inner layer as silicore marking the duct manufacturer and also size of the duct. The Duct should conform to ISO Certification and the colour of duct should be orange or blue for better identity.

9. The Contractor shall provide One four wheeler along with driver, fuel expenses to Project Engineers in-charge of work to facilitate and co-ordinate the supervision of the work.

10. The Contractor shall establish field lab and field office to facilitate quality assurance of execution of works.

11. The hot mix plant unit should be within the radius of 40km from Vidhanasoudha, Bangalore

12. The availability of hot mix plant and ownership will be ascertained by physical inspection at the time of technical evaluation by the evaluation authority

13. GST Shall be Paid to the Tendered Amount Separately

14. Tenderer should have Registered with EPF and ESI authorities. Certification should be produced at the time of Tendering OR else being entering into the Agreement.

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V_F = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.

F_o = The official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at Bangalore on the day 30 days prior to the date of opening of Bids.

F_i = The official retail price of HSD at the IOC/HPCL/BPL or other consumer pump at Bangalore for the 15th day of the middle calendar month of the quarter under consideration.

P_F = Percentage of Fuel and Lubricant component of the work.

Note: For the application of this Clause the price of HSD[24] has been chosen to represent Fuel and Lubricant Group

Adjustment for Plant and Machinery Spares Component:

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the contractor shall be paid in accordance with the following formula:

$$V_P = 0.85 \times P_P/100 \times R \times (P_i - P_o)/P_o \text{ , Where}$$

V_P = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares.

P_o = The all India average wholesale price index for Heavy machinery and parts for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_i = The all India average wholesale price index for Heavy machinery and parts for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_B = Percentage of Plant and Machinery Spares component of the work.

Note: For the application of this Clause index of Heavy Machinery and Parts[25] has been chosen to represent the Plant and Machinery Spares Group.

Adjustment for Other materials.:

(vii) Price adjustment for increase or decrease in the cost of other materials other than cement, steel, bitumen and Fuel and Lubricants[26], procured by the contractor shall be paid in accordance with the following formula:

$$V_M = 0.85 \times P_M/100 \times R \times (M_i - M_o)/M_o \text{ , Where}$$

V_M = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for local materials other than cement, steel, bitumen and Fuel and Lubricants.

M_o = The all India average wholesale price index for all commodities for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

M_i = The all India average wholesale price index for all commodities for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_M = Percentage of other material component (Other than cement, steel, bitumen and Fuel and Lubricants) of the work.

The following percentages [27]will govern the price adjustment for the entire contract:[28]

1. Labour – P_L ..... %
2. Cement – P_C ..... %
3. Steel – P_S ..... %
4. Bitumen – P_B ..... %
5. Fuel and Lubricants – P_F[29] ..... %

[24] This could be appropriately changed to any other item depending on the nature of work.
[25] This could be appropriately changed to any other item depending on the nature of the work.
[26] Add, delete or change depending on the nature of work.
[27] The percentages have to be approximately worked out on the estimates of cost and incorporated in the tender document before issue. It shall not be changed even if there is change of scope of work during execution.
[28] The components could be added or deleted or changed depending on the nature of the work.

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thirty percent (30%) . [50.1]

(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)

SECTION 7: SPECIFICATIONS

As per specifications mentioned in BOQ

SECTION 8: DRAWINGS
(Enclosed)

SECTION 9: BILL OF QUANTITIES

Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Comprehensive Development of Roads and Drains at Maruthinagara, Kamakshamma layout, Kondappa layout and A sector in ward no 01, 02 & 04 of Yelahanka division (Package No. 01)

Schedule B

Item No	Description of work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications	Cum	9845.12		
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. Data Rate a) 40mm Jelly	Cum	6.57		
3	b) 20mm Jelly	Cum	6.57		
4	c) Coarse sand.	Cum	4.93		
5	d) Fine Sand	Cum	3.29		

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11	KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing force. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per specifications.	Nos	220.00		
12	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tn	187.71		
13	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	6143.30		
14	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	418.92		
15	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete.	Nos	8940.00		
16	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	1363.70		

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22	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	1026.00		
23	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	1026.00		
24	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	51.30		
25	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	41.04		

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NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ..... *[amount of guarantee]* _Rupees..... *[in words]*[38], and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ..... *[amount of guarantee]*[39] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

[38] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

[39] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

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